

Message

From: Buckley, Timothy [Buckley.Timothy@epa.gov]
Sent: 9/21/2017 11:58:10 AM
To: Strynar, Mark [Strynar.Mark@epa.gov]; Lindstrom, Andrew [Lindstrom.Andrew@epa.gov]; McCord, James [mccord.james@epa.gov]
CC: Biales, Adam [Biales.Adam@epa.gov]; Medina-Vera, Myriam [Medina-Vera.Myriam@epa.gov]; Tong-Argao, Sania [Tong-Argao.Sania@epa.gov]
Subject: RE: Questions re EPA-NERL PFAS data - Chemours GW

Mark,

This is excellent. Thank you. I am copying Sania since it is a bit of a QC check for which I think we fared well.

Tim

Timothy J. Buckley, PhD
Director of the Exposure Methods & Measurements Division
National Exposure Research Laboratory
109 TW Alexander Drive
Research Triangle Park, NC 27711

Email: buckley.timothy@epa.gov
URL: <http://www.epa.gov/heasd/staff/buckley.html>
Phone: (919) 541-2454 (O); FAX: -0239

Ex. 6 Personal Privacy (PP) (C)

From: Strynar, Mark
Sent: Thursday, September 21, 2017 6:41 AM
To: Buckley, Timothy <Buckley.Timothy@epa.gov>; Lindstrom, Andrew <Lindstrom.Andrew@epa.gov>; McCord, James <mccord.james@epa.gov>
Cc: Biales, Adam <Biales.Adam@epa.gov>; Medina-Vera, Myriam <Medina-Vera.Myriam@epa.gov>
Subject: RE: Questions re EPA-NERL PFAS data - Chemours GW

Tim,
See my responses below. Please give them a look and let me know if you need more clarification.

Mark

From: Buckley, Timothy
Sent: Wednesday, September 20, 2017 11:05 AM
To: Strynar, Mark <Strynar.Mark@epa.gov>; Lindstrom, Andrew <Lindstrom.Andrew@epa.gov>; McCord, James <mccord.james@epa.gov>
Cc: Biales, Adam <Biales.Adam@epa.gov>; Medina-Vera, Myriam <Medina-Vera.Myriam@epa.gov>
Subject: FW: Questions re EPA-NERL PFAS data - Chemours GW

I will need your help with some of these questions.

Tim

Timothy J. Buckley, PhD
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Ex. 6 Personal Privacy (PP) C

From: Mort, Sandra L [<mailto:sandy.mort@ncdenr.gov>]
Sent: Wednesday, September 20, 2017 10:41 AM
To: Buckley, Timothy <Buckley.Timothy@epa.gov>
Subject: Questions re EPA-NERL PFAS data - Chemours GW

Dr. Buckley –

I am requesting the following clarifications / verification for the PFAS data generated by NERL on the August 2017 groundwater (GW) samples submitted by NC DEQ Division of Waste Management (see the attached report):

1. Please provide the full chemical name for the PFESA Byproduct 2 listed in Table 2. The last portion of the chemical name was cut off in the final report.

Ex. 5 Deliberative Process (DP)

2. Please verify the CASN for the PFESA (Nafion) Byproduct 1 listed in table 2. The CASN listed is 29311-67-9. I'm asking if it should be CASN 66796-30-3 based on prior information provided by your lab.

Ex. 5 Deliberative Process (DP)

3. The notes on Table 3 indicate the LOD = 10 ng/L. Please verify that this is for all analytes reported.

Ex. 5 Deliberative Process (DP)

4. The Table 3 information notes include the sample dilutions. Do these dilutions apply both to the target analytes and the non-target analytes? Should the reporting limits for the target analytes reflect the 10 ng/L LOD times the noted sample dilution? Same question for the non-target analytes? (i.e., LOD x dilution = analyte reporting limit)

Ex. 5 Deliberative Process (DP)

5. In the Sun et al, EST (2016) paper the non-target analytes PFMOPrA, PFMOBA and PFO4DA were reported in the drinking water sourced from the Cape Fear River. Neither PFMOPrA, PFMOBA or PFO4DA were reported for the groundwater. Please clarify if this was because these 3 non-target analytes (NTAs) were not detected in the GW, or if the GW analysis did not include these 3 NTAs.

Ex. 5 Deliberative Process (DP)

6. The text indicates that there is a conservative order-of-magnitude uncertainty in the NTA concentrations reported. Please verify that the same level of uncertainty is estimated for both the NTA PFECA and PFESA since the NTA concentrations are generated relative to the PFECA GenX instrument response.

Ex. 5 Deliberative Process (DP)

Thank you & your staff again for your efforts.

b/r

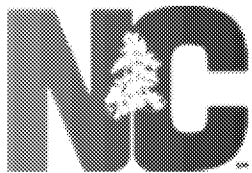
Sandy Mort

Sandy Mort, Ph.D., M.S.

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